**SESSION FORMATION**
**GÉNIE CIVIL**
**GÉNIE CIVIL POUR LE NUCLÉAIRE**

RÉF: **0001-12**

# AFCEN nuclear codes for Civil Works (ETC-C and RCC-CW) : Construction

## > EN BREF

RCC-CW codes are published by AFCEN.
RCC-CW codes (rules for design and construction PWR nuclear civil works) are used to design and build the civil structures of nuclear power plants.
RCC-CW was published in 2010 and 2012 as ETC-C for EPR nuclear power plant.
The most recent RCC-CW editions (2015 to 2019) can be applied to PWR projects.
The training session explains the requirements of the part C Construction of the RCC-CW code.

**La formation est délivrée en français.**

## THÉMATIQUES

To present part C of the RCC-CW : Earthworks and soil treatments, concrete, passive reinforcement and post tensioning systems, liners for containments and fuel ponds, sleeves and anchor plates, structural steelwork, topography, tolerances, containment leaklightness and resistance tests.

## OBJECTIFS

The purpose of this 2 day training session is to outline the requirements of the ETC-C and RCC-CW codes. Dedicated to the Construction (Part C) of the code, it covers all the aspects of the construction for Civil engineering structures of nuclear power plants (geotechnics, seismic analysis, concrete, prestressing, liner, anchorages, steel works…). Part M of the code dedicated to leak tightness tests and resistance tests on containment is also presented.

## CETTE FORMATION S'ADRESSE À

Civil engineers with responsibilities for coordination and execution of works on EPR projects, who look for transition training covering the key changes between the Euronorms and the ETC-C/RCC-CW.

## PRÉ-REQUIS

**An understanding of civil engineering construction. The one day training "general introduction" (ref 0731) is recommended to attend ETC-C and RCC-CW "design" and "construction" courses.**

## PRINCIPES ET MÉTHODES PÉDAGOGIQUES

. To get to know you better and meet your expectations, a self-positioning questionnaire (prerequisites, experiences, expectations) will be sent to you.
. Training coordinated by an expert or by the session's project manager
. Interaction time with the expert(s) and the trainees are planned throughout the training
. Alternation of methodological contributions and application examples
. During the training, knowledge assessments will be carried out (for example using quizz, application exercises, case study, feedback, etc.)

## EN PARTENARIAT AVEC

afcen

## INFORMATIONS PRATIQUES

**Date :** du 29 au 30 novembre 2023 - **Durée** : 2 jours (14 heures)
**Tarif :** 1 960,00 € HT + TVA (Déjeuners inclus)
**Lieu :** France Paris

## COORDINATION

**Alexandre BOULE**, Civil Works Engineer, EDF DIPNN Dir. Industrielle

## PROGRAMME DÉTAILLÉ ET HORAIRES

### MERCREDI 29 NOVEMBRE

**9h00**
Alexandre BOULE, *EDF DIPNN Dir. Indust.*
Présentation de la session

**9h30**
Leo FRAGNOL, *EDF/DTG*
Référentiels topographiques, tolérances et systèmes d'auscultation

**10h30**
Baptiste PELLETIER, *EDF DIPNN Dir. Indus.*
Geotechnique

**13h30**
Nicolas BOTTELDOORN, *EDF DIPNN Dir. Tech.*
Structures en acier

**14h30**
Weiss GHAFOURY, *EDF DIPNN Dir. Indus.*
Matthieu JEUSSET, *VINCI Construction*
Béton pour les bâtiments classés de sûreté

**Fin de la journée à 17h00**

### JEUDI 30 NOVEMBRE

**8h30**
Boris MARQUOIS, *EDF DIPNN Dir. Indus.*
Armature passive

**9h30**
Boris MARQUOIS
Systèmes d'ancrage

**10h45**
Jean-Baptiste DOMAGE, *VSL*
Précontrainte par post-tension

**14h00**
Fabien DELMAS, *EDF DIPNN Dir. Indus.*
Ibrahima DIALLO, *EDF DIPNN Dir. indust.*
Revêtement de l'enceinte de confinement,
Revêtements des piscines et réservoirs

**15h30**
Mathieu GALAN, *EDF/DTG*
Enceinte de Confinement :
Essais d'étanchéité et mécaniques - Surveillance

**16h30**
Alexandre BOULE
Conclusion, evaluation

**Fin de la session à 17h00**

**VALERIE LANDRIN** : 06 80 13 19 00 - valerie.landrin@fc-enpc.fr